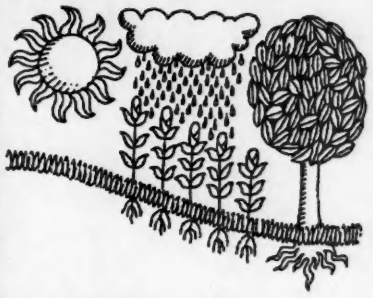

WEEKLY WEATHER AND CROP BULLETIN

U.S. DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration, National Weather Service

U.S. DEPARTMENT OF AGRICULTURE
National Agricultural Statistics Service and World Agricultural Outlook Board

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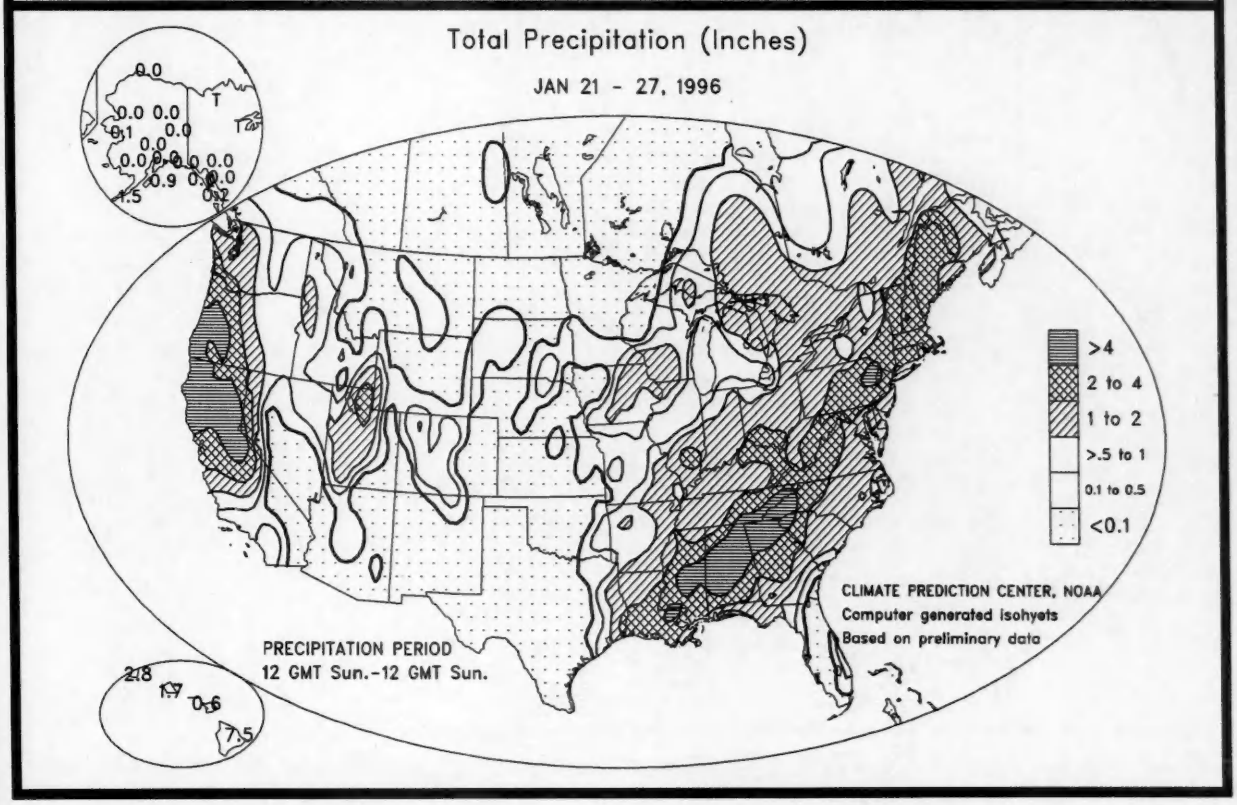

HIGHLIGHTS

January 21 - 27, 1996

Bitterly cold air continued to amass across **western Canada**, confined by a complex atmospheric blocking pattern. Enough cold air seeped southward to hold temperatures more than 20°F below normal in **northern Montana** and end a 3-week warm spell in the **West**. Two storms crossed the Nation south of the block, dumping copious snow from **California's Sierra Nevada** to **Utah's Wasatch Range** and keeping the **East** warm and extremely wet for a second consecutive week. In addition, the second storm delivered heavy snow to the **Midwestern and Great Lakes States**. Little moisture fell, however, on stressed winter wheat stands from the **central Plains** southward.

(Continued on back cover)

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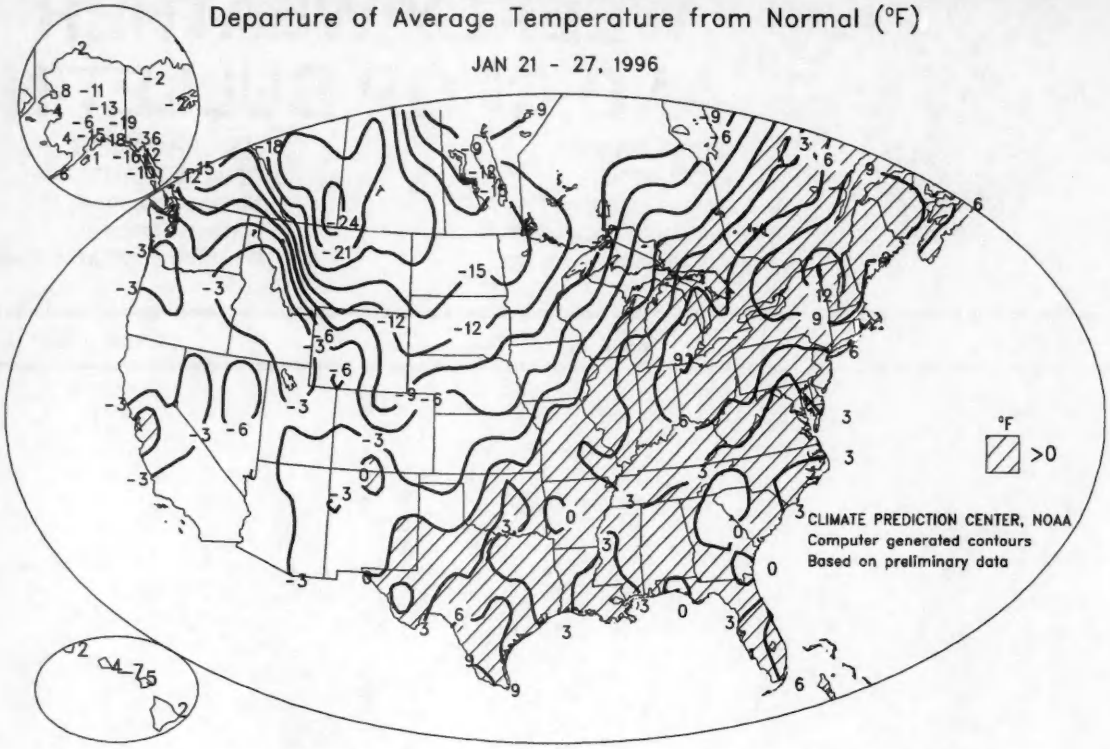
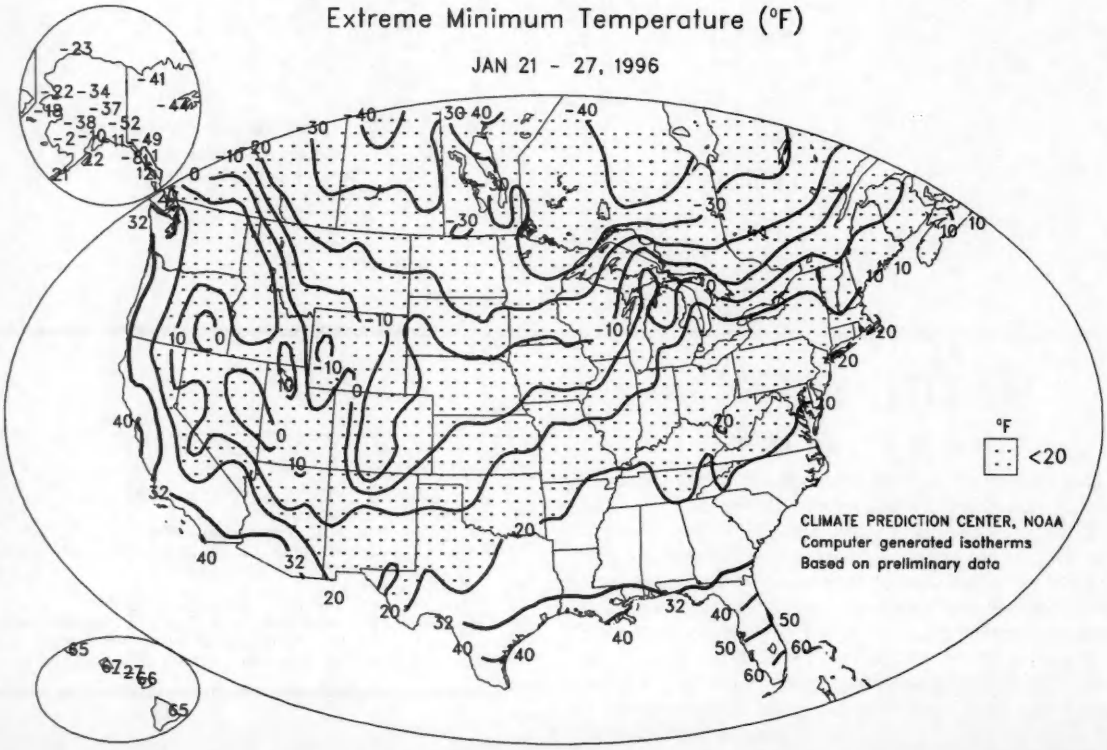
Departure of Average Temperature from Normal (°F)

JAN 21 - 27, 1996



Extreme Minimum Temperature (°F)

JAN 21 - 27, 1996



National Weather Data for Selected Cities

Weather Data for the Week Ending January 27, 1996

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION							RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS			
																TEMP. °F		PRECIP.	
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE Dec 1	PCT. NORMAL SINCE Dec 1	TOTAL, IN., SINCE Jan 1	PCT. NORMAL SINCE Jan 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
AL BIRMINGHAM	56	30	66	22	43	2	5.35	4.22	4.73	13.65	142	8.88	199	84	31	0	5	3	2
MOBILE	65	37	74	32	51	1	1.58	0.51	0.80	13.41	142	4.56	110	90	39	0	2	3	2
MONTGOMERY	61	31	69	26	46	1	3.64	2.54	2.88	12.37	131	6.19	144	86	40	0	4	3	2
AK ANCHORAGE	8	-7	10	-10	0	-15	0.00	-0.17	0.00	0.20	11	0.11	16	90	74	0	7	0	0
BARROW	-8	-16	-2	-23	-12	2	0.00	-0.03	0.00	0.06	26	0.00	0	80	74	0	7	0	0
FAIRBANKS	-14	-32	-4	-37	-23	-13	0.00	-0.08	0.00	0.23	19	0.16	39	77	68	0	7	0	0
JUNEAU	18	7	22	1	13	-12	0.00	-1.01	0.00	5.63	67	1.57	39	72	44	0	7	0	0
KODIAK	35	28	41	22	31	1	0.90	-0.72	0.33	14.31	107	2.87	44	89	59	0	7	4	0
NOME	10	-5	17	-18	2	-4	0.09	-0.08	0.09	1.14	73	0.55	79	87	61	0	7	1	0
AZ PHOENIX	62	39	67	35	50	-4	0.12	-0.02	0.12	0.13	8	0.12	20	63	19	0	0	1	0
PRESCOTT	48	20	56	12	35	-2	0.12	-0.21	0.12	0.29	10	0.12	9	77	30	0	7	1	0
TUCSON	64	35	73	30	50	-2	0.00	-0.19	0.00	0.22	12	0.00	0	60	14	0	2	0	0
YUMA	66	42	70	36	54	-3	0.00	-0.07	0.00	0.02	3	0.00	0	65	16	0	0	0	0
AR FORT SMITH	47	24	59	18	35	-2	0.81	0.40	0.81	6.15	131	2.00	120	90	54	0	7	1	1
LITTLE ROCK	--	--	--	--	--	--	0.52	-0.11	--	6.53	100	2.55	91	--	--	-	-	-	-
CA BAKERSFIELD	56	35	60	30	45	-3	0.62	0.41	0.32	2.85	211	0.82	112	95	51	0	1	4	0
EUREKA	52	39	53	35	45	-3	6.01	4.70	2.10	21.57	191	10.01	190	92	58	0	0	7	4
FRESNO	54	37	59	31	46	-1	0.93	0.46	0.36	2.95	94	1.09	64	94	38	0	2	3	0
LOS ANGELES	60	45	61	41	52	-5	0.22	-0.36	0.18	2.76	74	0.60	29	87	28	0	0	2	0
REDDING	48	33	51	29	40	-6	2.67	1.34	1.04	18.92	175	8.13	152	97	62	0	5	5	3
SACRAMENTO	53	40	57	34	46	0	1.50	0.64	--	7.67	132	2.53	79	94	59	0	0	5	0
SAN DIEGO	60	48	62	43	54	-4	0.35	-0.06	0.22	1.35	42	0.47	30	87	28	0	0	3	0
SAN FRANCISCO	56	44	60	39	50	1	1.85	0.87	1.02	10.83	157	4.42	116	90	56	0	0	5	2
CO DENVER	37	7	55	-3	22	-8	0.04	-0.07	0.02	0.23	21	0.19	44	79	29	0	7	2	0
GRAND JUNCTION	37	17	48	9	27	-2	0.11	-0.00	0.09	0.94	83	0.39	87	80	40	0	7	3	0
PUEBLO	47	3	57	-13	25	-6	0.06	-0.00	0.06	0.21	30	0.21	72	73	23	0	7	1	0
CT BRIDGEPORT	40	28	53	20	34	6	1.58	0.86	0.93	7.52	119	5.59	197	85	59	0	5	2	2
HARTFORD	41	24	54	12	33	8	2.11	1.37	1.26	9.14	133	6.84	229	86	56	0	5	3	2
DC WASHINGTON	44	29	59	22	37	3	0.78	0.17	0.53	7.18	130	5.01	210	89	55	0	5	3	1
FL DAYTONA BEACH	68	39	70	34	52	1	0.98	-0.18	0.80	3.59	39	1.39	31	91	39	0	0	2	1
DAYTONA BEACH	72	52	80	42	62	5	0.05	-0.59	0.03	5.00	101	1.56	66	94	57	0	0	2	0
JACKSONVILLE	67	40	76	33	53	-1	0.14	-0.60	0.10	3.27	59	1.08	40	90	53	0	0	2	0
KEY WEST	76	65	80	62	71	1	0.00	-0.44	0.00	3.81	100	0.88	49	90	65	0	0	0	0
MIAMI	80	67	84	64	74	7	0.13	-0.34	0.11	3.25	63	1.40	80	84	55	0	0	2	0
ORLANDO	76	53	80	46	64	5	0.19	-0.36	0.10	5.88	143	5.14	262	91	53	0	0	2	0
TALLAHASSEE	65	36	70	30	51	0	1.30	0.12	0.60	6.67	73	2.89	70	84	37	0	1	2	2
TAMPA	73	53	79	47	63	3	0.03	-0.45	0.03	5.20	135	4.18	247	90	54	0	0	1	0
WEST PALM BEACH	78	65	81	61	71	5	0.23	-0.36	0.15	2.94	67	1.37	64	88	61	0	0	2	0
GA ATLANTA	53	28	64	25	41	0	4.00	2.93	2.87	10.69	127	7.15	174	90	43	0	6	3	2
AUGUSTA	61	28	69	23	44	1	0.47	-0.47	0.47	6.78	98	2.25	64	91	35	0	6	1	0
MACON	60	29	69	23	45	0	1.39	0.25	0.78	6.89	99	2.53	64	86	39	0	4	2	2
SAVANNAH	62	37	72	32	50	1	0.30	-0.51	0.15	2.45	40	1.56	50	86	51	0	1	2	0
HI HILO	79	67	83	65	73	2	7.51	5.35	3.98	17.63	85	13.34	157	98	71	0	0	6	4
HONOLULU	84	70	88	67	77	4	1.70	0.96	0.94	4.44	64	3.14	99	92	62	0	0	3	2
KAHULUI	84	69	87	66	76	5	0.55	-0.37	0.55	2.89	42	0.76	21	93	61	0	0	1	1
LIHUE	78	69	81	65	73	2	2.82	1.55	1.60	11.22	108	4.45	85	92	73	0	0	5	2
ID BOISE	35	23	40	17	29	-1	0.41	0.09	0.24	3.06	117	0.92	73	94	65	0	7	4	0
LEWISTON	35	27	41	20	31	-3	0.36	0.08	0.18	2.63	111	1.36	119	96	70	0	6	3	0
POCATELLO	29	18	37	12	24	0	0.19	-0.03	0.05	2.98	148	1.00	109	89	56	0	7	6	0
IL CHICAGO	34	18	43	8	26	5	0.27	-0.03	0.24	3.12	55	1.52	111	88	57	0	7	3	0
MOLINE	31	12	39	-4	22	2	0.76	0.45	0.66	2.77	77	2.30	165	90	66	0	7	2	1
PEORIA	34	16	41	6	25	3	0.43	0.13	0.34	1.69	45	1.38	103	92	68	0	7	2	0
QUINCY	34	16	44	10	25	1	0.22	-0.06	0.13	1.72	48	1.50	124	90	62	0	7	3	0
ROCKFORD	29	13	39	1	21	3	0.39	0.14	0.24	1.83	57	1.36	118	93	68	0	7	2	0
SPRINGFIELD	36	17	44	10	26	2	0.24	-0.06	0.21	2.65	65	1.32	98	90	68	0	7	2	0
IN EVANSVILLE	44	26	53	19	35	3	1.48	0.82	1.16	6.67	104	3.48	132	90	54	0	6	3	1
FORT WAYNE	38	22	44	13	30	8	0.92	0.53	0.55	3.69	81	2.44	147	91	69	0	6	4	1
INDIANAPOLIS	39	23	48	13	31	6	1.26	0.78	0.88	6.46	120	3.75	184	92	66	0	6	4	1
SOUTH BEND	37	20	44	6	29	6	0.60	0.15	0.21	3.35	63	1.46	74	90	66	0	6	4	0
IA DES MOINES	24	6	37	-1	15	-5	0.22	0.03	0.18	0.97	43	0.96	113	90	63	0	7	3	0
SIOUX CITY	19	2	40	-4	11	-7	0.08	-0.03	0.08	1.28	102	0.97	202	82	67	0	7	1	0
WATERLOO	20	1	32	-11	11	-4	0.92	0.75	0.67	2.31	115	2.15	307	91	66	0	7	2	1
KS CONCORDIA	34	10	58	0	22	-4	0.11	-0.00	0.11	0.78	58	0.52	104	81	46	0	7	1	0
DODGE CITY	42	13	56	5	28	-3	0.00	-0.11	0.00	0.90	83	0.31	72	73	30	0	7	0	0
GOODLAND	39	8	61	-2	24	-5	0.00	-0.08	0.00	0.32	43	0.18	55	71	30	0	7	0	0
TOPEKA	34	14	45	6	24	-3	0.02	-0.17	0.02	1.27	56	0.68	81	85	54	0	7	1	0
WICHITA	43	16	56	9	29	-1	0.00	-0.18	0.00	0.71	33	0.08	11	89	48	0	7	0	0
KY BOWLING GREEN	48	27	57	18	38	5	0.27	-0.56	0.14	5.52	66	3.17	95	91	55	0	5	3	0
LEXINGTON	46	25	50	15	35	5	1.79	1.18	1.45	7.21	111	4.50	179	93	50	0	6	4	1
LOUISVILLE	47	28	51	18	37	6	1.74	1.11	1.43	7.49	122	4.19	167	86	53	0	5	4	1
LA BATON ROUGE	66	41	77	31	54	4	1.60	0.50	1.31	7.38	75	3.08	49	94	43	0	2	4	1
LAKE CHARLES	64	41	72	34	53	2	0.83	-0.14	0.71	8.89	98	2.44	61	84	56	0	0	3	1
NEW ORLEANS	67	46	76	38	56	5	2.38	1.23	1.48	9.64	95	4.57	104	87	38	0	0	2	2
SHREVEPORT	61	34	71	25	47	2	1.04	0.11	1.04	6.72	79	1.56	42	89	45	0	3	1	1

Based on 1961-90 normals.

Weather Data for the Week Ending January 27, 1996

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION							RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS			
																TEMP. °F		PRECIP.	
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE Dec 1	PCT. NORMAL SINCE Dec 1	TOTAL, IN., SINCE Jan 1	PCT. NORMAL SINCE Jan 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
ME CARIBOU	31	11	49	-2	21	13	1.02	0.52	0.64	3.48	65	1.67	78	86	64	0	7	5	1
PORTLAND	38	20	49	11	29	9	1.82	1.06	1.14	8.91	116	4.77	153	88	59	0	6	3	2
MD BALTIMORE	44	27	59	19	35	4	0.70	0.01	0.48	9.46	156	6.79	253	88	58	0	5	2	0
SALISBURY	49	27	61	17	38	4	0.49	-0.31	0.37	6.44	94	3.75	118	92	53	0	5	2	0
MA BOSTON	45	29	59	20	37	9	2.21	1.41	1.74	10.39	145	7.21	230	79	55	0	4	3	1
CHATHAM	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	-	-	-	-
MI ALPENA	29	12	40	4	21	4	0.90	0.56	0.43	2.47	71	1.11	76	88	66	0	7	4	0
DETROIT	39	22	46	13	31	8	0.46	0.10	0.35	2.49	57	1.62	103	86	59	0	7	3	0
FLINT	38	21	46	14	30	9	0.53	0.25	0.30	2.70	81	1.55	126	90	63	0	7	3	0
GRAND RAPIDS	33	21	43	14	27	6	0.34	-0.02	0.20	2.27	51	0.73	45	93	72	0	7	4	0
HOUGHTON LAKE	26	12	38	-16	19	3	0.87	0.56	0.49	2.99	91	1.60	120	92	70	0	7	5	0
LANSING	38	21	45	13	30	10	0.28	-0.02	0.18	1.83	55	0.76	58	91	64	0	7	3	0
MARQUETTE	18	0	35	-15	9	-2	1.93	1.47	1.09	7.28	161	4.81	251	86	56	0	7	4	2
MUSKEGON	31	19	39	6	25	2	0.62	0.15	0.23	3.14	61	1.25	60	93	71	0	7	4	0
SAULT ST. MARIE	21	5	32	-3	13	1	0.87	0.36	0.41	8.86	176	2.60	121	86	58	0	7	6	0
MN ALEXANDRIA	4	-17	17	-24	-6	-13	0.00	-0.21	0.00	1.08	71	0.27	44	83	61	0	7	0	0
DULUTH	10	-16	18	-27	-3	-10	0.01	-0.25	0.01	2.64	112	1.09	100	76	48	0	7	1	0
INT'L FALLS	2	-28	7	-41	-13	-14	0.09	-0.18	0.09	2.76	168	1.49	191	79	58	0	7	1	0
MINNEAPOLIS	15	-4	28	-7	6	-6	0.19	-0.01	0.12	2.80	147	1.65	199	77	56	0	7	2	0
ROCHESTER	15	-3	28	-10	6	-5	0.59	0.42	0.26	3.63	153	2.00	290	89	68	0	7	3	0
MS GREENWOOD	58	34	70	25	46	4	0.71	-0.33	0.60	8.18	81	2.39	56	95	42	0	3	2	1
JACKSON	58	35	68	25	46	3	4.87	3.69	3.58	12.82	115	7.40	153	89	46	0	3	4	2
MERIDIAN	58	31	68	23	44	-1	1.42	0.29	1.38	5.30	50	2.39	53	96	44	0	4	2	1
MO CAPE GIRARDEAU	45	26	54	21	35	4	0.96	0.35	0.47	7.10	102	3.44	134	93	59	0	7	3	0
COLUMBIA	39	16	52	11	27	1	0.44	0.14	0.37	4.07	103	2.46	185	87	59	0	7	3	0
KANSAS CITY	32	13	42	6	22	-3	0.12	-0.10	0.07	1.40	55	1.04	108	86	56	0	7	2	0
SAINT LOUIS	41	21	50	18	31	2	0.86	0.50	0.68	6.13	132	3.28	206	84	53	0	7	4	1
SPRINGFIELD	45	20	54	13	33	2	0.55	0.19	0.53	5.05	120	2.57	171	88	56	0	7	2	1
MT BILLINGS	18	1	38	-6	9	-14	0.17	-0.02	0.13	0.92	58	0.56	69	87	67	0	7	3	0
GLASGOW	-1	-18	8	-27	-10	-21	0.01	-0.07	0.01	0.85	122	0.47	148	80	68	0	7	1	0
GREAT FALLS	13	-9	35	-16	2	-20	0.18	-0.01	0.08	0.46	28	0.35	43	86	67	0	7	3	0
HAVRE	-2	-21	5	-27	-11	-26	0.00	-0.11	0.00	0.59	58	0.08	17	81	67	0	7	0	0
HELENA	14	-7	35	-15	4	-17	0.08	-0.06	0.08	0.78	68	0.43	77	91	67	0	7	1	0
KALISPELL	22	10	29	-4	16	-5	0.32	-0.00	0.32	3.84	125	1.64	121	90	71	0	7	1	0
MILES CITY	12	-6	24	-18	3	-14	0.06	-0.05	0.04	1.24	113	0.97	198	85	66	0	7	2	0
MISSOULA	29	17	38	6	23	0	0.69	0.42	0.29	3.48	154	1.87	168	86	70	0	7	6	0
NE GRAND ISLAND	26	5	45	-5	15	-7	0.19	0.08	0.18	1.30	114	1.04	242	84	59	0	7	2	0
LINCOLN	26	5	51	-4	16	-6	0.11	-0.00	0.11	0.75	56	0.49	104	86	54	0	7	1	0
NORFOLK	21	2	43	-5	12	-8	0.26	0.15	0.25	1.30	109	0.83	189	84	61	0	7	2	0
NORTH PLATTE	33	4	47	-3	19	-3	0.06	-0.02	0.04	0.48	62	0.48	150	87	56	0	7	3	0
OMAHA	24	6	42	-3	15	-7	0.67	0.51	--	1.81	107	1.27	192	90	58	0	7	-	-
SCOTTSBLUFF	34	0	54	-12	17	-9	0.27	0.16	0.24	1.30	130	0.75	176	83	46	0	7	2	0
VALENTINE	22	2	49	-7	12	-11	0.02	-0.07	0.02	0.22	25	0.16	44	84	55	0	7	1	0
NV ELY	33	5	39	-6	19	-6	0.32	0.15	0.20	0.85	62	0.39	61	82	45	0	7	3	0
LAS VEGAS	56	32	64	27	44	-2	0.00	-0.11	0.00	0.01	1	0.00	0	43	18	0	4	0	0
RENO	42	23	48	13	33	-1	0.93	0.68	0.64	3.52	182	1.28	133	87	40	0	5	3	1
WINNEMUCCA	35	15	43	2	25	-5	0.82	0.65	0.47	3.06	197	1.45	220	94	57	0	7	5	0
NH CONCORD	39	20	52	6	29	11	2.47	1.92	1.69	6.72	125	4.75	216	87	57	0	6	3	2
NJ ATLANTIC CITY	45	25	54	13	35	5	1.33	0.56	1.11	5.42	85	3.93	129	89	57	0	6	2	1
NM ALBUQUERQUE	46	22	57	16	34	0	0.00	-0.11	0.00	0.37	41	0.21	49	54	19	0	7	0	0
CLOVIS	55	22	65	14	39	2	0.00	-0.08	0.00	0.35	41	0.15	47	48	12	0	6	0	0
ROSWELL	59	24	69	17	42	1	0.00	-0.08	0.00	--	--	0.16	50	41	14	0	6	0	0
NY ALBANY	38	22	53	14	30	10	1.16	0.66	0.77	3.89	78	2.47	119	86	59	0	6	3	1
BINGHAMTON	35	18	50	13	27	6	0.84	0.32	0.46	4.43	87	3.44	162	86	57	0	7	2	0
BUFFALO	39	21	51	15	30	7	1.09	0.53	0.47	6.27	103	2.61	109	87	55	0	6	4	0
NEW YORK	46	31	58	25	38	8	1.29	0.63	0.96	6.26	103	4.11	155	82	54	0	4	2	1
ROCHESTER	40	22	54	15	31	8	0.79	0.35	0.36	4.59	101	3.09	170	84	56	0	6	4	0
SYRACUSE	40	20	56	12	30	8	0.89	0.40	0.48	5.02	95	3.13	151	87	53	0	6	4	0
NC ASHEVILLE	47	24	56	19	36	-1	3.49	2.61	2.78	8.76	112	7.34	216	85	38	0	7	3	1
CHARLOTTE	53	29	60	24	41	1	1.73	0.88	1.51	5.02	75	3.80	118	82	36	0	5	2	1
GREENSBORO	48	26	59	21	37	1	1.95	1.23	1.03	5.74	93	4.37	158	83	44	0	7	3	2
HATTERAS	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	-	-	-	-
NEW BERN	56	36	71	29	46	3	1.28	0.29	1.02	5.00	67	3.45	93	91	55	0	3	3	1
RALEIGH	54	28	65	23	41	2	1.21	0.41	0.79	5.93	95	4.03	133	82	28	0	5	2	1
WILMINGTON	58	34	70	29	46	3	1.41	0.34	1.34	4.99	61	2.92	71	93	51	0	5	2	1
ND BISMARCK	6	-19	11	-28	-7	-16	0.00	-0.09	0.00	1.31	146	0.75	183	82	62	0	7	0	0
FARGO	-3	-19	7	-27	-11	-17	0.00	-0.14	0.00	2.22	179	1.48	247	79	68	0	7	0	0
GRAND FORKS	-3	-21	2	-27	-12	-16	0.00	-0.16	0.00	1.47	115	0.70	111	80	64	0	7	0	0
WILLISTON	0	-22	8	-30	-11	-21	0.05	-0.06	0.04	1.37	129	0.69	147	79	65	0	7	2	0
OH AKRON-CANTON	40	22	49	16	31	7	0.82	0.36	0.42	2.44	50	1.57	82	91	55	0	6	4	0
CINCINNATI	43	22	49	11	33	5	1.81	1.25	1.64	7.04	130	3.64	160	93	56	0	6	4	1
CLEVELAND	41	25	50	19	33	9	1.23	0.81	0.55	3.62	74	3.16	120	82	59	0	6	4	1
COLUMBUS	43	24	50	18	33	10	1.53	1.12	1.01	5.57	118	3.62	209	92	55	0	6	4	1
DAYTON	41	23	48	14	32	6	1.08	0.64	0.91	4.69	98	3.48	186	89	61	0	6	5	1

Based on 1961-90 normals.

Weather Data for the Week Ending January 27, 1996

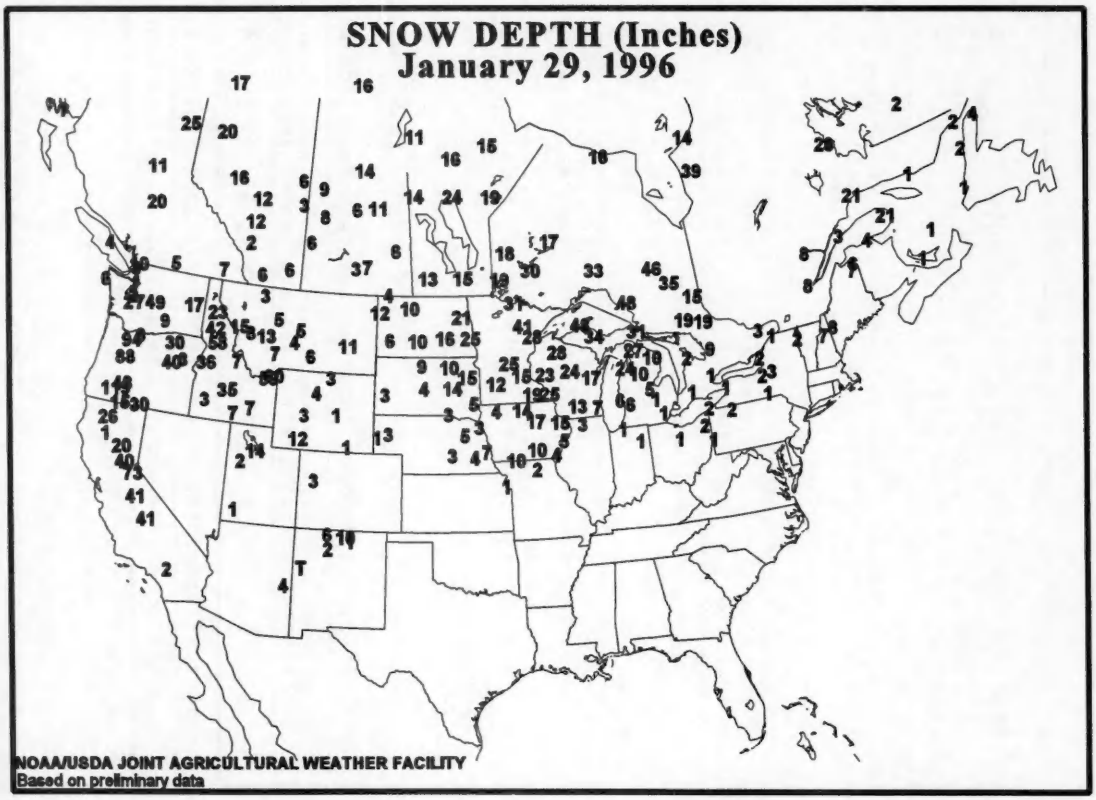
STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION							RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS			
																TEMP. °F		PRECIP.	
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE Dec 1	PCT. NORMAL SINCE Dec 1	TOTAL, IN., SINCE Jan 1	PCT. NORMAL SINCE Jan 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
TOLEDO	39	23	46	15	31	9	0.72	0.38	0.60	2.54	57	1.92	123	89	64	0	6	3	1
YOUNGSTOWN	39	23	49	17	31	8	0.77	0.33	0.36	4.20	87	2.59	137	86	55	0	6	3	0
OK OKLAHOMA CITY	54	22	62	13	38	2	0.00	-0.25	0.00	2.42	102	0.06	6	78	34	0	5	0	0
TULSA	52	25	60	18	38	3	0.00	-0.33	0.00	2.24	64	0.47	35	82	36	0	5	0	0
OR ASTORIA	44	34	47	30	39	-3	1.80	-0.36	0.61	19.49	101	8.21	93	98	76	0	2	5	1
BURNS	31	7	39	-6	19	-5	0.81	0.60	0.45	4.69	230	1.83	208	95	68	0	7	4	0
MEDFORD	43	33	45	31	38	-1	1.93	1.37	0.81	12.60	221	4.92	206	95	77	0	2	5	2
PENDLETON	40	27	44	20	33	-1	0.68	0.35	0.32	3.54	130	1.76	132	92	64	0	7	4	0
PORTLAND	42	35	45	31	39	-1	1.93	0.80	0.75	13.04	130	6.99	147	93	77	0	1	6	1
SALEM	43	35	45	33	39	-1	2.38	1.12	0.79	15.24	126	7.97	152	96	83	0	0	7	1
PA ALLENTOWN	40	22	54	12	31	5	2.07	1.38	1.04	7.89	126	6.44	232	84	56	0	6	2	2
ERIE	40	25	50	20	32	8	0.90	0.45	0.36	6.31	113	3.08	157	81	51	0	6	3	0
HARRISBURG	38	23	51	14	31	2	1.96	1.33	0.88	8.61	150	6.07	236	87	55	0	5	4	2
PHILADELPHIA	44	28	57	22	36	7	0.89	0.13	0.55	5.74	86	3.60	119	83	59	0	3	2	1
PITTSBURGH	43	24	51	20	34	8	1.02	0.47	0.45	5.27	103	3.64	163	83	44	0	6	5	0
SCRANTON	40	22	54	16	31	7	2.05	1.58	1.10	7.38	169	6.17	335	80	52	0	7	2	2
RI PROVIDENCE	43	27	56	16	35	7	2.27	1.42	1.42	6.96	89	4.81	141	89	58	0	5	2	2
SC CHARLESTON	61	34	72	29	48	0	0.29	-0.48	0.16	1.91	31	0.88	29	87	43	0	3	2	0
COLUMBIA	59	29	66	22	44	0	1.34	0.32	1.15	4.33	58	2.15	56	88	36	0	5	2	1
FLORENCE	61	32	70	28	47	3	1.31	0.51	0.99	3.92	63	2.24	73	87	35	0	5	2	1
GREENVILLE	50	27	59	22	38	-2	2.26	1.33	1.03	7.27	94	5.23	146	86	38	0	7	3	2
SD ABERDEEN	7	-13	16	-18	-3	-13	0.00	-0.14	0.00	0.89	86	0.42	79	78	60	0	7	0	0
HURON	12	-9	36	-22	1	-12	0.46	0.37	0.46	1.25	158	0.97	294	81	62	0	7	1	0
RAPID CITY	19	-1	50	-9	9	-14	0.12	0.04	0.07	0.95	117	0.80	250	88	62	0	7	2	0
SIOUX FALLS	16	-2	38	-11	7	-7	0.30	0.19	0.30	1.03	90	0.92	209	82	61	0	7	1	0
TN CHATTANOOGA	52	26	60	21	39	2	2.59	1.52	2.01	11.26	119	7.44	174	92	61	0	6	3	2
KNOXVILLE	52	25	61	21	38	2	2.87	1.96	1.90	9.80	126	7.29	200	88	47	0	7	3	2
MEMPHIS	50	31	63	24	41	1	2.24	1.49	1.78	11.03	122	5.45	167	84	47	0	4	2	1
NASHVILLE	50	28	59	19	39	3	0.87	0.10	0.44	6.14	79	3.89	124	86	44	0	5	4	0
TX ABILENE	61	29	72	19	45	2	0.00	-0.25	0.00	0.66	35	0.43	48	77	28	0	5	0	0
AMARILLO	54	14	71	10	34	-1	0.00	-0.11	0.00	0.59	71	0.00	0	62	17	0	7	0	0
AUSTIN	68	41	79	30	54	5	0.00	-0.40	0.00	0.54	16	0.05	3	74	29	0	1	0	0
BEAUMONT	63	43	72	35	53	2	1.15	0.12	0.83	13.55	151	2.41	57	93	60	0	0	3	1
BROWNSVILLE	77	57	83	46	67	7	0.00	-0.35	0.00	1.06	40	0.07	5	89	50	0	0	0	0
CORPUS CHRISTI	73	49	86	39	61	6	0.00	-0.42	0.00	0.72	26	0.09	6	82	44	0	0	0	0
DEL RIO	70	42	77	33	56	7	0.00	-0.26	0.00	0.49	24	0.00	0	80	39	0	0	0	0
EL PASO	60	29	68	20	44	1	0.00	-0.08	0.00	0.35	37	0.11	31	56	13	0	4	0	0
FORT WORTH	59	31	65	24	45	3	0.07	-0.35	0.07	3.02	83	0.97	62	85	43	0	4	1	0
GALVESTON	61	52	68	41	56	4	0.61	-0.08	0.61	6.25	98	0.68	24	86	61	0	0	1	1
HOUSTON	66	41	75	32	54	4	0.16	-0.65	0.13	5.87	72	0.88	27	87	49	0	1	3	0
LUBBOCK	58	23	71	13	41	1	0.00	-0.09	0.00	0.45	52	0.00	0	76	11	0	6	0	0
MIDLAND	63	28	76	21	45	2	0.00	-0.11	0.00	0.31	34	0.08	19	75	13	0	6	0	0
SAN ANGELO	64	31	73	17	48	3	0.00	-0.19	0.00	0.26	18	0.06	9	82	13	0	4	0	0
SAN ANTONIO	70	41	81	32	55	6	0.00	-0.41	0.00	0.63	21	0.00	0	76	28	0	2	0	0
VICTORIA	69	43	81	33	56	4	0.02	-0.75	0.02	2.89	49	0.02	1	91	47	0	0	1	0
WACO	61	32	71	21	46	1	0.00	-0.39	0.00	1.88	58	0.84	60	84	38	0	4	0	0
WICHITA FALLS	62	25	74	15	43	4	0.00	-0.31	0.00	0.85	31	0.10	9	78	27	0	5	0	0
UT CEDAR CITY	39	11	47	-5	25	-5	0.69	0.52	0.63	1.06	83	0.78	132	85	43	0	7	2	1
SALT LAKE CITY	35	21	42	16	28	-1	1.06	0.81	0.71	3.63	151	2.42	247	92	55	0	7	5	1
VT BURLINGTON	28	22	53	10	30	14	1.64	1.25	1.15	6.52	162	3.88	241	84	56	0	6	3	1
VA NORFOLK	51	32	69	24	41	3	1.01	0.16	0.52	6.93	106	5.07	155	87	55	0	5	3	1
RICHMOND	49	27	60	20	38	2	0.74	0.02	0.43	5.06	83	3.35	118	83	38	0	5	3	0
ROANOKE	46	25	58	19	35	1	1.56	0.97	0.80	9.14	175	6.84	303	83	39	0	7	3	2
WA QUILLAYUTE	40	31	41	28	35	-5	2.46	-0.69	0.84	29.12	104	13.20	121	98	90	0	4	6	3
SEATTLE-TACOMA	39	32	42	30	36	-5	1.12	-0.03	0.63	13.33	125	6.96	146	95	76	0	4	7	1
SPOKANE	27	21	33	15	24	-4	0.43	0.02	0.39	4.00	96	1.36	77	95	87	0	7	2	0
YAKIMA	30	13	34	9	22	-9	0.34	0.09	--	2.06	83	1.21	111	97	75	0	7	-	-
WV BECKLEY	44	24	51	16	34	5	1.35	0.71	0.71	7.87	136	5.44	213	82	36	0	6	4	1
CHARLESTON	46	25	56	21	35	3	1.30	0.67	0.68	7.10	120	5.06	199	91	52	0	7	4	1
HUNTINGTON	45	25	54	20	35	5	1.94	1.28	0.95	8.55	139	5.72	218	93	53	0	6	5	2
PARKERSBURG	44	25	52	19	34	4	0.79	0.07	0.47	5.07	89	3.24	116	89	51	0	6	4	0
WI GREEN BAY	23	4	33	-10	14	0	0.82	0.58	0.38	2.86	112	1.59	156	86	61	0	7	4	0
LACROSSE	20	0	32	-10	10	-5	1.48	1.29	--	3.74	178	2.92	360	87	60	0	7	-	-
MADISON	25	7	37	-10	16	0	1.35	1.11	0.99	3.22	121	2.45	238	87	59	0	7	4	1
MILWAUKEE	30	15	38	2	23	4	0.47	0.14	0.22	1.92	51	1.44	101	87	64	0	7	4	0
WAUSAU	19	-2	29	-15	9	-3	0.31	0.12	0.14	2.96	130	1.96	236	81	51	0	7	3	0
WY CASPER	36	9	39	-5	16	-7	0.07	-0.04	0.05	1.22	107	0.86	179	80	53	0	7	2	0
CHEYENNE	30	1	46	-13	16	-11	0.07	-0.01	0.04	0.31	42	0.11	34	82	41	0	7	2	0
LANDER	29	7	37	0	18	-3	0.00	-0.11	0.00	0.67	68	0.36	84	78	40	0	7	0	0
SHERIDAN	25	-3	51	-7	11	-10	0.14	-0.03	0.12	0.87	64	0.58	91	83	53	0	7	2	0
PR SAN JUAN	82	72	83	68	77	0	0.80	0.25	0.36	9.02	125	5.18	206	83	57	0	0	7	0

Based on 1961-90 normals.

National Agricultural Summary

HIGHLIGHTS for January 22 - 28, 1996

A series of storms brought very heavy rain along the Pacific Coast that hampered field activities. Wheat growth was slowed by the cold, damp weather in the Sacramento Valley, where some fields had standing water. The rain improved pasture and range conditions but slowed California's citrus harvest. Adequate snow cover in the Northern States protected winter wheat from frigid temperatures. The southern Great Plains were in need of a soaking rain to restore soil moisture supplies for the wheat crop. The lack of adequate snow cover in the central and southern Plains and the bitter cold in some areas raised producers' concern. The lack of any significant rain in Texas plus windy weather depleted soil moisture supplies. Last week's freeze caused damage to some Texas small grain fields and halted growth. Continued heavy supplemental feeding of livestock resulted in short hay supplies. The temperature fluctuations caused health problems for some livestock. Mild weather over south Florida allowed the sugarcane harvest to make good progress. The warmer weather aided vegetable growth and enabled acreage that was harmed by the earlier adverse weather to improve. Mature vegetable acreage harmed by the previous cold snap was removed from production. Florida's citrus harvest was very active for all types of early fruit.



International Weather and Crop Summary

January 21 - 27, 1996

HIGHLIGHTS

FSU-WESTERN: Light to moderate snow provided a fresh protective snow cover over most winter grain areas.

EUROPE: Wet weather continued to benefit winter grains in Spain, while unseasonably cold weather stressed dormant winter grains across the north.

NORTHWESTERN AFRICA: Wet weather in Morocco provided adequate to excessive moisture for winter grain development.

SOUTH AFRICA: Continuing moderate to heavy rain maintained adequate to abundant moisture for reproductive corn.

AUSTRALIA: Showers, with some local flooding, returned to major sorghum, cotton, and sugarcane areas.

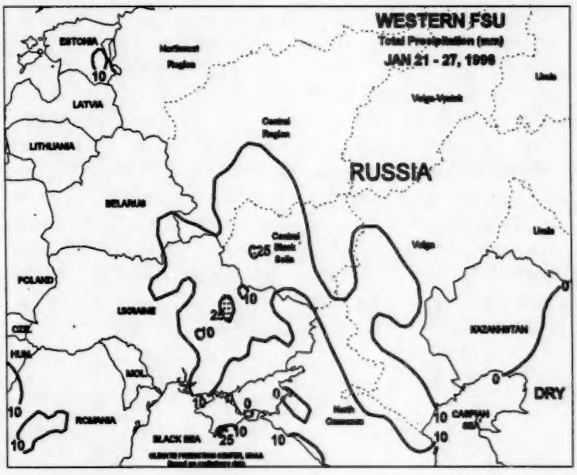
EASTERN ASIA: Rain covered southeastern China, benefiting winter crops and increasing irrigation supplies. Seasonably dry, cool weather kept winter wheat dormant across the North China Plain.

SOUTHEAST ASIA: Seasonably heavy showers continued in the eastern Philippines, maintaining irrigation for secondary crops, but causing additional flooding. Showers maintained irrigation supplies for main-season rice across Java.

SOUTH AMERICA: In southern Brazil, widespread showers continued to benefit vegetative to reproductive soybeans. In central Argentina, rain aided soybeans in northern Buenos Aires, while southern Santa Fe remained unfavorably dry.

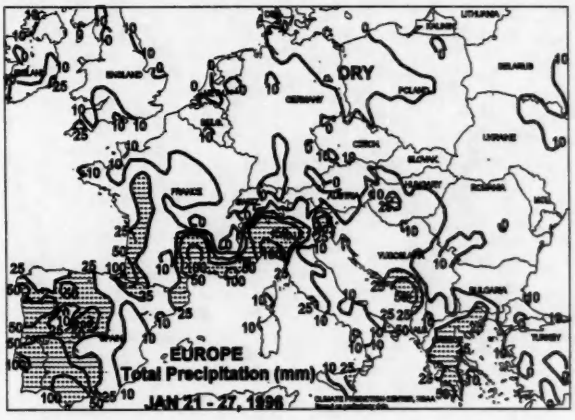
FSU-WESTERN

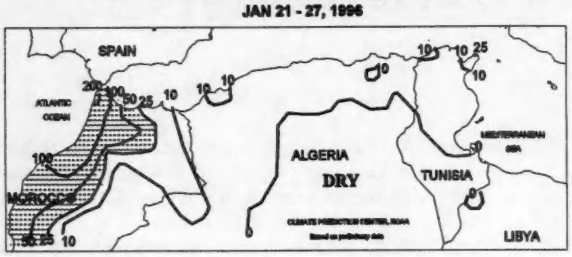
Light to moderate snow fell over Russia, Ukraine, Belarus, and the Baltics, bringing a fresh snow cover to dormant winter grains. Precipitation amounts generally ranged from 2 to 10 mm, with greatest amounts of snow (10-25 mm liquid equivalent) covering the northeastern Ukraine, and parts of Russia (Central Black Soils Region and lower Volga Valley). At week's end, most winter grain areas were covered with snow, which provided protection from bitterly cold weather (minimum temperatures ranging from -15 to -20 degrees C). In the western portion of the North Caucasus Region in Russia, winter grain areas lacked snow cover. However, extreme minimum temperatures remained above -15 degrees C and did not fall low enough to threaten winter grains.



EUROPE

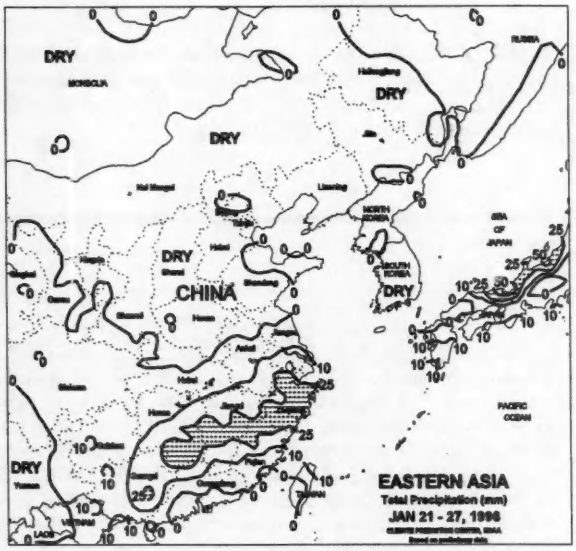
Wet weather returned to crop areas in southern Europe. Moderate to heavy rain (50-100 mm, with local amounts in excess of 100 mm) covered Portugal, western and southern Spain, southern France, and Italy's Po Valley. The rain fell over soils that were already saturated from heavy rain during previous weeks, increasing the potential for localized flooding. In Spain, much-above-normal precipitation since November has helped to erase long-term moisture deficits, favoring winter wheat development. Farther north, a cold snap occurred over winter grain areas in northern Europe and was accompanied by light precipitation (generally less than 10 mm). Extreme minimum temperatures ranged from -4 to -7 degrees C in England, northern France, and the Benelux countries, and -10 to -15 degrees C over Germany. Extreme cold (-15 to -26 degrees C) was confined to winter grain areas in Poland, where a shallow snow cover provided some protection from potential winterkill.





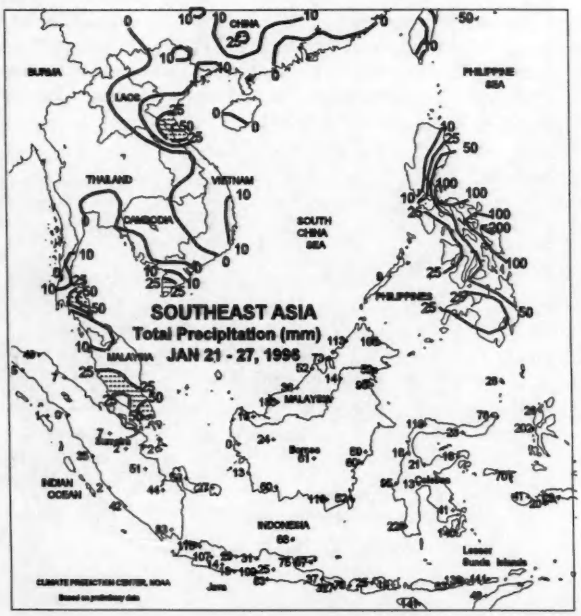
NORTHWESTERN AFRICA

Moderate to heavy rains provided adequate to excessive amounts of moisture for winter grains in Morocco. Rainfall generally ranged from 50 to 100 mm, with local amounts exceeding 100 mm along the coast. Overall the rain benefited winter grains in the vegetative stage, but there was some localized flooding. Farther east, only light, scattered showers (2-10 mm) occurred over winter grains in Algeria and Tunisia. Since moisture reserves are limited in these areas, timely rains will be needed during the remainder of the growing season to boost yield prospects.



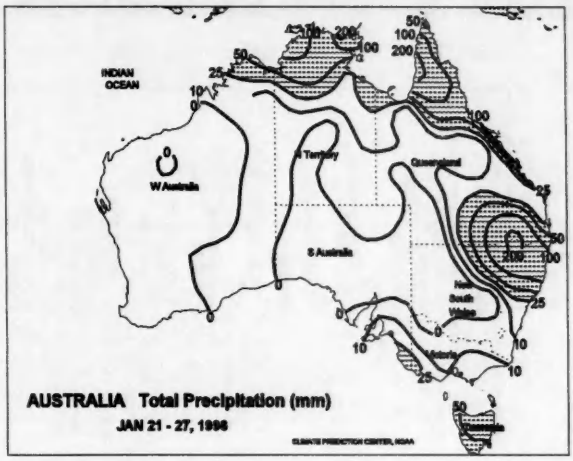
EASTERN ASIA

Widespread rain (10-45 mm) covered southeastern China, aiding winter crops and increasing irrigation supplies for summer crops. Seasonably dry, cool weather continued across the North China Plain, keeping winter wheat dormant.



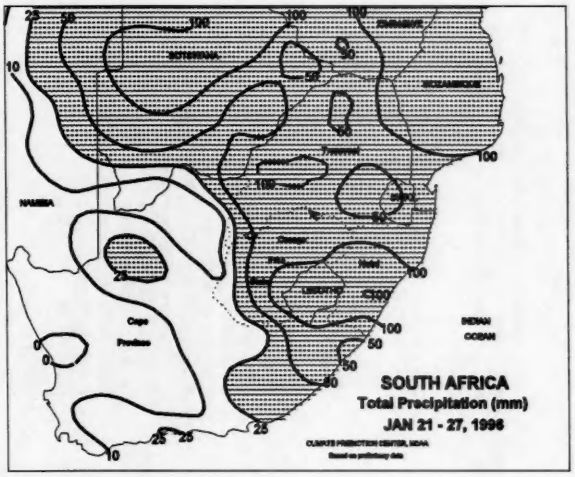
SOUTHEAST ASIA

Seasonably heavy showers (60-125 mm) fell across the eastern Philippines (eastern Luzon southward into eastern Mindanao), maintaining irrigation supplies for secondary crops. Heavier showers (150-200 mm) possibly caused additional flooding across southern Luzon and the eastern island of Samar. This region received excessive rain during November and December, with drier weather easing wetness during early January. Hot, dry weather (2-4 degrees C above normal) continued across Thailand. Seasonable showers (less than 25 mm) fell across the eastern oil palm areas of the Malay Peninsula. The rainy season peaked in November and December. Widespread showers (20-60 mm, isolated amounts greater than 100 mm) maintained adequate irrigation supplies for main-season rice across Java. While rainfall has been consistent across Java the past several weeks, it has averaged slightly below normal.



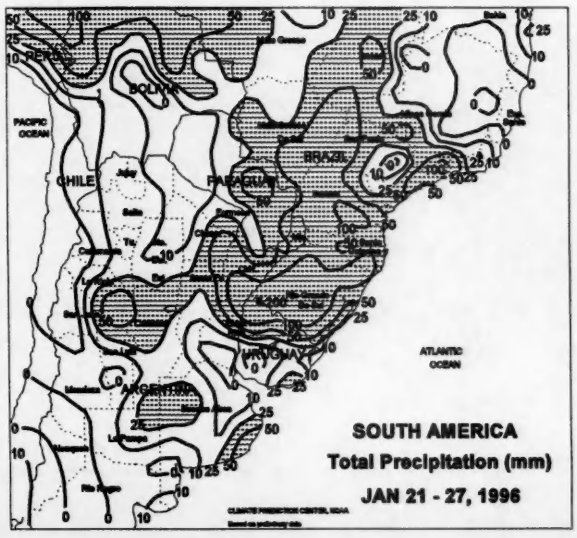
AUSTRALIA

Moderate to heavy showers (25-50 mm or more, locally exceeding 100 mm) returned to major cotton and sorghum areas of southern Queensland and northern New South Wales. While maintaining adequate to abundant moisture reserves for vegetative to reproductive crops, some flooding from inundating showers (100-200 mm, total rainfall) was likely in the Darling Downs area. Elsewhere, variable rainfall benefited Queensland's coastal sugarcane, but pockets of excessive rain (100-200 mm) occurred in the northern crop areas. In contrast, dry weather continued in pasture lands of Victoria and South Australia. Temperatures across Australia averaged near to below normal, with highs in the main summer crop areas generally in the low to mid 30's C. In New Zealand, light to moderate rain covered the main pasture areas, with only a few locations receiving 25 mm or greater.



SOUTH AFRICA

Moderate to heavy rain (25-50 mm or more, exceeding 100 mm locally) continued across the corn belt, maintaining adequate to abundant moisture for reproductive crops. Temperatures averaged near to slightly below normal, with highs generally in the mid to upper 20's C. In recent years, unseasonable warmth and dryness in January and February have led to reductions in crop yields. This season, however, drier and warmer (though not stressfully hot) weather is needed over the next few weeks for normal development and quality. This is especially true in sections of the eastern corn belt that have been too wet all season. Farther south, locally heavy rain (50-135 mm) in sugarcane areas of Kwazulu-Natal kept crops well watered but likely spurred additional flooding.



SOUTH AMERICA

In southern Brazil, widespread moderate showers (50-100 mm) covered the main soybean growing areas, maintaining adequate soil moisture for vegetative to reproductive soybeans. Across northwestern Rio Grande do Sul, 2 consecutive weeks of moderate to heavy rain (50-150 mm) have dramatically increased soil moisture from the drought in December. Lighter showers (less than 25 mm) fell across portions of Mato Grosso. In Argentina, rain (15-40 mm) benefited summer crops in northern Buenos Aires and southern and central Cordoba. Little or no rain fell across southern Santa Fe, where soils are becoming unfavorably dry. However, cool weather (1-2 degrees below normal) reduced evapotranspiration rates. Moderate rain (15-40 mm, with isolated amounts greater than 75 mm) helped to offset warm temperatures (2-3 degrees C above normal) across northern Argentina and southern Paraguay.

Review of the 1995 Western Pacific Cyclone Season

During the 1995 Western Pacific tropical cyclone season, 25 tropical cyclones developed, slightly below the 1961-90 average of 27.5 cyclones (fig. 1). While this season started slowly, October was very active with six tropical cyclones (two greater than average). This followed a near-normal August and September (fig. 2). Typically, five to seven tropical depressions (less than 34 knots) also develop each year. The following are summaries of the 15 tropical cyclones that made landfall across Eastern and Southeast Asia (table 1, figs. 3-5):

Philippines: Deanna was the only tropical cyclone to hit the Philippines during the first 8 months of the year. Cyclones Helen and Kent, however, did pass close enough to the islands to bring significant rain in August. Not until early September did Nina hit the country. In late September, Sibyl brought excessive rain and flooding to the east-central islands and southern Luzon. After a month's reprieve, Yvette, Zack, and Angela struck the country from October 23 to November 2, causing flooding and crop damage to rice, sugarcane, and copra (WWCB, Vol. 82, No. 48, p. 23). Super Typhoon Angela had sustained maximum winds of 140 knots when it hit southern Luzon.

China: The first cyclone to hit China was Gary during late July. Janis brushed east-central China during late August, bringing beneficial rain to the region. Then during August and early September, a series of four cyclones (Helen, Irving, Kent, and Nina) hit southern China, which produced persistent heavy rain and flooding across the southern provinces of Guangdong and Guangxi. While the flooding caused some crop damage to rice across that region, flooding across all of southern China was less severe than in 1994. Kent was the strongest storm to hit China during the year, with maximum winds of 105 knots. In October, Sibyl and Ted exacerbated flooding across the same southern provinces.

Vietnam: Lois hit the Red River Delta of northern Vietnam during late August, bringing heavy rain and causing some rice damage to maturing rice. Yvette and Zack hit the south-central coast during late October, delaying rice harvesting. Zack did hit with maximum winds at 100 knots, causing some crop damage.

South Korea and Japan: Faye hit extreme southeastern South Korea in late July, producing heavy rain only along the coast. However, in late August, Janis contributed to torrential rain, which caused flooding across the northern half of South Korea. In late September, Ryan struck southern Japan with maximum winds of 100 knots. Ryan produced only widespread heavy rain across Kyushu Island.

During the 1994 season, 34 tropical cyclones developed, making it one of the most active seasons since the early 1970's. From 1988 to 1993, the number of tropical cyclones has been relatively constant at 27 to 31 storms. (The historical statistics were obtained from the ***Global Tropical/Extratropical Cyclone Climatic Atlas CD-ROM*** jointly produced by the Fleet Numerical Meteorology and Oceanography Detachment/U.S. Navy and National Climatic Data Center/NOAA. Only storms that reached tropical storm strength (maximum sustained winds of 34 knots or greater) will be considered tropical cyclones for this article.)

--Bob Stefanski

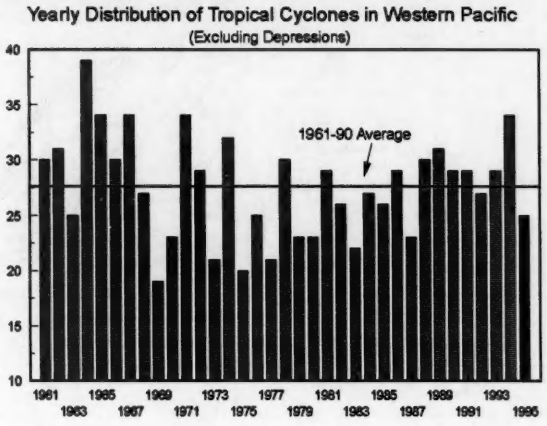


Fig. 1

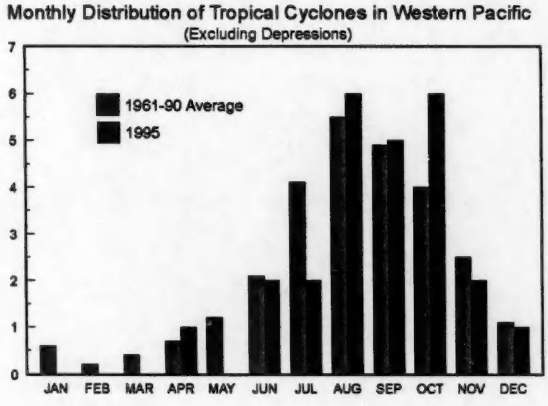


Fig. 2

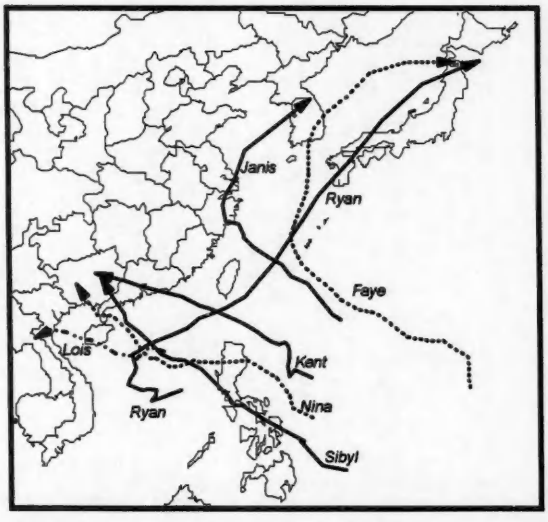


Fig. 3

Table 1. Landfall Statistics for 1995 Western Pacific Cyclones

Name	Area	Date	Maximum Winds*
Deanna	Phil.	Jun 1-2	35 knots
	Taiwan	Jun 8-9	30 knots
Faye	S. Korea	Jul 23	90 knots
	N. Japan	Jul 24	30 knots
Gary	S. China	Jul 31	60 knots
Helen	S. China	Aug 11-12	60 knots
Irving	S. China	Aug 20	45 knots
Janis	E. China	Aug 24-25	50 knots
	S. Korea	Aug 26	50 knots
Kent	S. China	Aug 31	125 knots
Lois	N. Vietnam	Aug 29	65 knots
Nina	Phil.	Sep 4	35 knots
	S. China	Sep 7	45 knots
Ryan	S. Japan	Sep 23	100 knots
Sibyl	Phil.	Sep 30	100 knots
	S. China	Oct 13	60 knots
Ted	S. China	Oct 13	65 knots
Yvette	Phil.	Oct 23-24	35 knots
	S. Vietnam	Oct 25-26	60 knots
Zack	Phil.	Oct 27	45 knots
	C. Vietnam	Oct 31-Nov 1	110 knots
Angela	Phil.	Nov 2	140 knots

*Sustained maximum winds just before landfall

Fig. 4

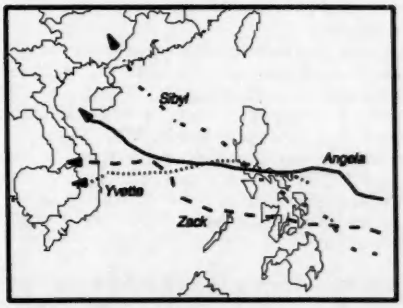
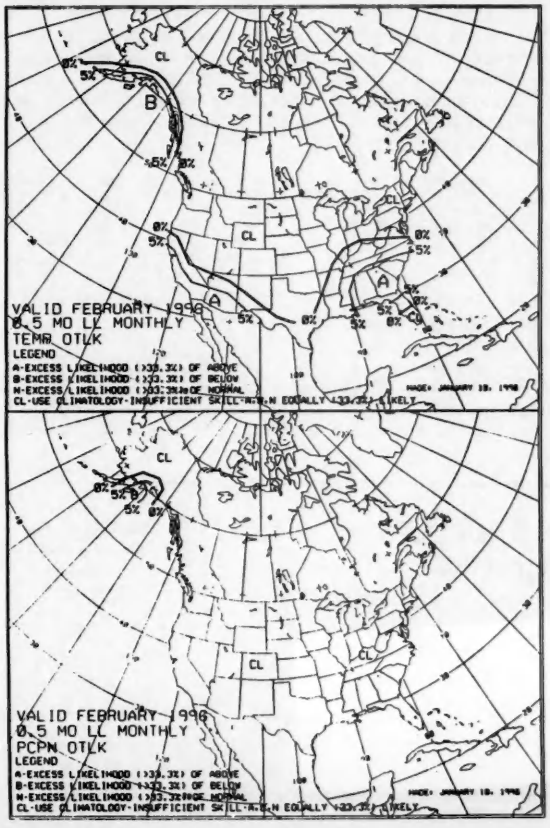
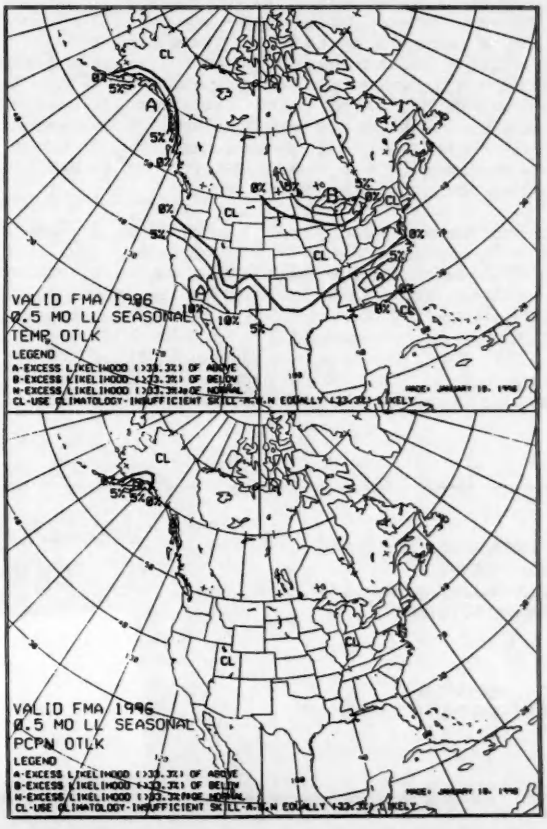


Fig. 5





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(Continued from front cover)

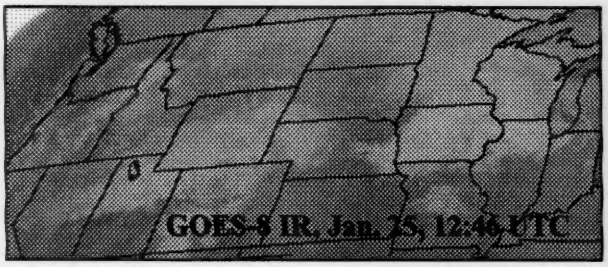
During the week, enough cold air arrived in **western Washington** to drop snow levels to the coast, where **Seattle** received a weekly total of 2.0 inches. In the **Cascades, Stampede Pass** ended the week with a 70-inch snow depth, up from 41 inches on January 19. Farther east, weekly snowfall included 6.8 inches in **Spokane, WA** and 11.5 inches in **Missoula, MT.** Meanwhile, **northern California's** marked recovery from early-season dryness continued, as the moisture content of the **Sierra Nevada** snowpack approached 90 percent of normal on January 28, up from about one-third of normal on January 11. In the foothills, 10.93 inches fell during the week at **Blue Canyon,** while 6.01 inches fell along the coast at **Eureka.**

The week's first storm dropped snow as far south as **Arizona's Mongollon Rim,** where **Flagstaff** received 4.4 inches on Monday, but failed to significantly dent moisture deficits from **southern California** to the **central and southern Plains.** On January 22 in **San Angelo, TX,** southerly winds in advance of the storm gusted to 45 mph; a day later, westerly wind gusts reached 51 mph. Farther north, early-week, storm-total snowfall topped 4 inches in a band across the **North-Central States,** including 5.6 inches in **Norfolk, NE,** 5.1 inches in **Madison, WI,** and 6.7 inches in **Alpena, MI.** Heavy rain returned to the **Ohio Valley** on Tuesday, aggravating the worst flooding since the late 1970's on the **middle Ohio River.** On Thursday, the **Ohio River** crested at 5.3 feet above flood stage at **Cincinnati,** the highest level since March 1979. The warm, wet weather moved into the **Northeast** at midweek, melting much of the remaining snow and perpetuating high water levels and ice-jam flooding. **Caribou, ME** (49°F) notched a daily-record high on Wednesday.

As the second storm moved ashore, **Elko, NV** received 20.9 inches of snow on January 24-25, burying their all-time, 24-hour record of 16.7 inches, set in January 1951. Meanwhile, 16.5 inches blanketed **Salt Lake City, UT,** breaking their January 24-hour record of 10.0 inches, set last week. As the storm churned through the **Midwest** on Friday, temperatures dropped sharply in the **Plains. Pueblo, CO** noted a daily-record low of -13°F on Friday, less than 24 hours after a high of 55°F. Severe cold continued to grip **International Falls, MN** (-41°F on January 26), where the low bottomed out below -30°F for the eighth time this month. In contrast, **Corpus Christi, TX** registered a daily-record high of 84°F.

The late-week storm boosted monthly snowfall to record levels in **Waterloo, IA** (23.9 inches) and **Rochester, MN** (28.5 inches). On Friday, **LaCrosse, WI** measured a January 24-hour record total of 12.0 inches, while **Des Moines, IA** received a daily-record 13.7 inches. January 25-27 totals reached 24.8 inches in **Marquette, MI,** 18.8 inches in **LaCrosse,** and 13.4 inches in **Rochester.** Gale-force winds caused extensive blowing and drifting snow. Farther east, torrential rains on Friday in the **Southeast** produced a record January single-day rainfall in **Birmingham, AL** (4.71 inches), and daily records in numerous locations, including **Jackson, MS** (3.56 inches) and **Montgomery, AL** (2.88 inches).

At week's end, more heavy rain caused additional flooding in the **Northeast,** though not nearly as severe as the January 19-21 event. On January 21, the **Potomac River** at **Point of Rocks, MD** crested at 20.5 feet above flood stage, the highest level since June 1972; a week later, the river exceeded flood stage by only a half-foot. Farther north, **Burlington, VT** tallied daily records on Saturday for rainfall (1.15 inches) and maximum temperature (53°F). The storm also produced south- to southwesterly winds that gusted to 67 mph in **Boston, MA,** 60 mph in **Bridgeport, CT,** and 56 mph in **Fort Wayne, IN.** Elsewhere, bitterly cold air over **Alaska** shifted eastward, ending a 14-day spell (January 10-23) in **Fairbanks** with lows at or below -30°F. In **Hawaii,** temperatures again averaged 2 to 5°F above normal, but rainfall caused localized flooding. **Hilo, Hawaii,** recorded a weekly total of 7.51 inches, and **Kailua, Oahu,** received 9.20 inches in 24 hours on January 24-25.



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